First lab: Basic architecture of microservices

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Github: https://github.com/khristinakokolus/microservices architecture.git

All code is in the *micro_basics* branch.

POST:

First POST request:

```
POST http://localhost:8080/facade_service

Content-Type: application/json

"First message"

###
```

First POST return:

```
POST http://localhost:8080/facade_service

HTTP/1.0 200 OK
Content-Type: application/json
Content-Length: 19
Server: Werkzeug/1.0.1 Python/3.8.3
Date: Wed, 23 Mar 2022 07:48:45 GMT

{
    "statusCode": 200
}

Response code: 200 (OK); Time: 2128ms; Content length: 19 bytes
```

Facade service console:

```
Services

C:\User\AppData\Local\Programs\Python\Python38\python.exe D:\UCU\Third\APZ\microservices_architecture\faca

* Serving Flask app "facade_main" (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

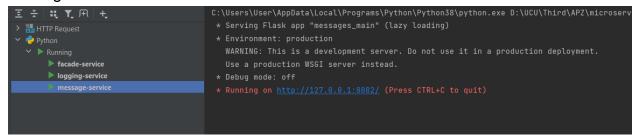
* Debug mode: off

* Running on http://127.0.0.1:8080/ (Press CTRL+C to quit)

127.0.0.1 - - [23/Mar/2022 09:48:45] "POST /facade_service HTTP/1.1" 200 -
```

Logging service console:

Messages service console:



Second POST request:

```
POST <a href="http://localhost:8080/facade_service">http://localhost:8080/facade_service</a>
Content-Type: application/json

"Second message"
###
```

Second POST return:

```
POST http://localhost:8080/facade_service

HTTP/1.0 200 OK
Content-Type: application/json
Content-Length: 19
Server: Werkzeug/1.0.1 Python/3.8.3
Date: Wed, 23 Mar 2022 07:51:34 GMT

{
    "statusCode": 200
}

Response code: 200 (OK); Time: 2060ms; Content length: 19 bytes
```

Facade service console:

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe D:\UCU\Third\APZ\micro

* Serving Flask app "facade_main" (lazy loading)

* Environment: production

* Numning

* Running

* logging-service

* logging-service

* message-service

* Running on http://127.0.0.1:8080/ (Press CTRL+C to quit)

127.0.0.1 - [23/Mar/2022 09:48:45] "POST /facade_service HTTP/1.1" 200 -

127.0.0.1 - [23/Mar/2022 09:51:34] "POST /facade_service HTTP/1.1" 200 -
```

Logging service console:

Messages service console:

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe D:\UCU\Third\APZ\micros

* Serving Flask app "messages_main" (lazy loading)

* Environment: production

* Running

* In the production of the prod
```

GET:

First GET request:

```
GET <a href="http://localhost:8080/facade_service">http://localhost:8080/facade_service</a>

Accept: text/html

###
```

First GET return:

```
HTTP/1.0 200 OK
Content-Type: text/html; charset=utf-8
Content-Length: 58
Server: Werkzeug/1.0.1 Python/3.8.3
Date: Wed, 23 Mar 2022 07:56:02 GMT

['First message']: messages-service is not implemented yet
Response code: 200 (OK); Time: 4043ms; Content length: 58 bytes
```

Facade service console:

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe D:/UCU/Third/APZ/microservices_archite

* Serving Flask app "facade_main" (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

* Debug mode: off

* Running on http://127.0.0.1:8080/ (Press CTRL+C to quit)

127.0.0.1 - [23/Mar/2022 09:55:54] "POST /facade_service HTTP/1.1" 200 -

127.0.0.1 - [23/Mar/2022 09:56:02] "GET /facade_service HTTP/1.1" 200 -
```

Logging service console:

Messages service console:

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe D:/UCU/Third/APZ/mic

* Serving Flask app "messages_main" (lazy loading)

* Environment: production

* Nanning

* Facade-service

* logging-service

* message-service

* Running on http://127.0.0.1:8082/
127.0.0.1 - [23/Mar/2022 09:56:02] "GET /message_service HTTP/1.1" 200 -
```

Second GET return with two messages:

```
GET http://localhost:8080/facade_service

HTTP/1.0 200 0K

Content-Type: text/html; charset=utf-8

Content-Length: 76

Server: Werkzeug/1.0.1 Python/3.8.3

Date: Wed, 23 Mar 2022 07:58:16 GMT

['Second message', 'First message']: messages-service is not implemented yet

Response code: 200 (OK); Time: 4054ms; Content length: 76 bytes
```

Facade service console:

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe D:/UCU/Third/APZ/micro

* Serving Flask app "facade_main" (lazy loading)

* Serving Flask app "facade_main" (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

* Debug mode: off

* Running on <a href="http://127.0.0.1:8080/">http://127.0.0.1:8080/</a> (Press CTRL+C to quit)

127.0.0.1 - [23/Mar/2022 09:55:54] "POST /facade_service HTTP/1.1" 200 -

127.0.0.1 - [23/Mar/2022 09:58:09] "POST /facade_service HTTP/1.1" 200 -

127.0.0.1 - [23/Mar/2022 09:58:16] "GET /facade_service HTTP/1.1" 200 -

127.0.0.1 - [23/Mar/2022 09:58:16] "GET /facade_service HTTP/1.1" 200 -
```

Logging service console:

Messages service console:

